

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application;

--1. (Currently Amended) An apparatus ~~allowing~~ adapted to have electronic-parts-implementing boards ~~to be~~, incorporated therein, said apparatus comprising:

a housing having ~~at least~~ a front surface and a back surface;

a first electronic-parts-implementing board having multiple board connection terminals ~~each~~ being arranged mutually apart at a specific interval ~~thereon~~, said first electronic-parts-implementing board being incorporated in said housing;

a second electronic-parts-implementing board having a group of electrodes, said second electronic-parts-implementing board being connected with one of the multiple board connection terminals of said first electronic-parts-implementing board with the group of electrodes of said second electronic-parts-implementing board being inserted into said one of the multiple board connection terminals of said first electronic-parts-implementing board, and said second electronic-parts-implementing board being used for ~~extension of~~ extending a functionality of said first electronic-parts-implementing board; and

a third electronic-parts-implementing board having a group

of electrodes, said third electronic-parts-implementing board being connected with an other one of the multiple board connection terminals of said first electronic-parts-implementing board with the group of electrodes of said third electronic-parts-implementing board being inserted into said other one of the multiple board connection terminals of said first electronic-parts-implementing board, and said third electronic-parts-implementing board being used for ~~extension of~~ extending a functionality of said first electronic-parts-implementing board,

wherein each of said front and back surfaces of said housing has an opening for allowing an operation surface of one of said second and third electronic-parts-implementing boards to be exposed to ~~[[the]]~~ an outside of the housing; and

wherein in said second and third electronic-parts-implementing boards, the respective groups of electrodes of said second and third electronic-parts-implementing boards are inserted ~~[[to]]~~ into the corresponding board connection terminals of said first electronic-parts-implementing board with an electronic-parts-implementing surface of said second electronic-parts-implementing board and an electronic-parts-implementing surface of said third electronic-parts-implementing board ~~being faced to~~ facing each other.

--2. (Original) The apparatus according to claim 1,

wherein the respective groups of electrodes of said second and third electronic-parts-implementing boards are electrically connected with the corresponding board connection terminals of said first electronic-parts-implementing board with the operation surface of said second electronic-parts-implementing board being exposed from the opening at the front surface of said housing and the operation surface of said third electronic-parts-implementing board being exposed from the opening at the back surface of said housing.

--3. (Currently Amended) The apparatus according to claim 1,

wherein said second electronic-parts-implementing board [[has]] comprises an electronic-parts-implementing prohibitive region; and

wherein said third electronic-parts-implementing board is joined ~~together~~ with said second electronic-parts-implementing board by spatially utilizing the electronic-parts-implementing prohibitive region in said second electronic-parts-implementing board.

--4. (Currently Amended) The apparatus according to claim 1,

wherein said second electronic-parts-implementing board

includes a support-fixing member having an engaging portion for screw ~~fixation~~ fastening;

wherein said third electronic-parts-implementing board includes a support-fixing member having an engaging portion for screw ~~fixation~~ fastening; and

wherein the engaging portion of the support-fixing member of said second electronic-parts-implementing board and the engaging portion of the support-fixing member of said third electronic-parts-implementing board are jointly tightened and ~~fixed~~ fastened to said housing.

--5. (Currently Amended) The apparatus according to claim 4,

wherein said support-fixing member of said second electronic-parts-implementing board ~~includes the support-fixing member~~ is arranged on an electronic-parts-implementing surface side of said second electronic-parts-implementing board;

wherein said support-fixing member of said third electronic-parts-implementing board ~~includes the support-fixing member~~ is arranged on a non-electronic-parts-implementing surface side of said third electronic-parts-implementing board; and

wherein the supporting-fixing member of said second electronic-parts-implementing board and the support-fixing member of said third electronic-parts-implementing board are

~~fixed with the members being~~ arranged in an overlapped state.

--6. (Original) The apparatus according to claim 4,
wherein the support-fixing member of said second electronic-parts-implementing board has a convex projecting portion for alignment;

wherein the support-fixing member of said third electronic-parts-implementing board has a concave notch portion for alignment; and

wherein, when jointly tightening, the convex projecting portion of the support-fixing member of said second electronic-parts-implementing board is inserted into the concave notch portion of the support-fixing member of said third electronic-parts-implementing board to be fitted with each other.

--7. (Currently Amended) The apparatus according to claim 6,

wherein the concave notch portion of the support-fixing member of said third electronic-parts-implementing board has a convex projecting portion for alignment;

wherein said housing includes [[any]] one of a concave notch portion for alignment and a circular opening for alignment; and

wherein, when jointly tightening, the convex projecting portion of the support-fixing member of said third electronic-

parts-implementing board is inserted into [[any]] one of the concave notch portion and the circular opening of said housing to be fitted with each other.

--8. (Currently Amended) A method for ~~allowing~~ adapting an electronic-parts-implementing board to be incorporated with an operation surface of said electronic-parts-implementing board being exposed ~~to the outside~~ through an opening ~~previously~~ formed in a ~~specifie~~ housing at [[its]] front surface and [[its]] back surface thereof, said method comprising the steps of:

incorporating a first electronic-parts-implementing board having multiple board connecting terminals ~~each~~ being arranged mutually apart at a specific interval ~~to an~~ inside [[of]] said housing;

preparing a second electronic-parts-implementing board having a group of electrodes for connecting said second electronic-parts-implementing board with said first electronic-parts-implementing board and a third electronic-parts-implementing board having a group of electrodes for connecting said third electronic-parts-implementing board with said first electronic-parts-implementing board, and ~~at the same time,~~ locating said second and third electronic-parts-implementing boards with an electronic-parts-implementing surface of said second electronic-parts-implementing board and an electronic-

parts-implementing surface of said third electronic-parts-implementing board ~~being faced to~~ facing each other; and

connecting the group of electrodes of said second electronic-parts-implementing board with one of the board connection terminals of said first electronic-parts-implementing board, and connecting the group of electrodes of said third electronic-parts-implementing board with an other one of the board connection terminals of said first electronic-parts-implementing board.

--9. (Original) The method according to claim 8, wherein the respective groups of electrodes of said second and third electronic-parts-implementing boards are electrically connected with the board connection terminals of said first electronic-parts-implementing board with the operation surface of said second electronic-parts-implementing board being exposed from the opening at the front surface of said housing and the operation surface of said third electronic-parts-implementing board being exposed from the opening at the back surface of said housing.

--10. (Original) The method according to claim 8, further comprising the steps of:

setting an electronic-parts-implementing prohibitive region in said second electronic-parts-implementing board; and

joining said third electronic-parts-implementing board together with said second electronic-parts-implementing board by spatially utilizing the electronic-parts-implementing prohibitive region in said second electronic-parts-implementing board.

--11. (Currently Amended) The method according to claim 8, further comprising the steps of:

installing a support-fixing member having an engaging portion for screw ~~fixation~~ fastening in said second electronic-parts-implementing board;

installing a support-fixing member having an engaging portion for screw ~~fixation~~ fastening in said third electronic-parts-implementing board; and

jointly tightening the engaging portion of the support-fixing member of said second electronic-parts-implementing board and the engaging portion of the support-fixing member of said third electronic-parts-implementing board and ~~fixing~~ fastening them to said housing.

--12. (Original) The method according to claim 11, further comprising the steps of:

installing the support-fixing member in said second electronic-parts-implementing board on the electronic-parts-implementing surface side of said electronic-parts-implementing

board, and

installing the support-fixing member in said third electronic-parts-implementing board on non-electronic-parts-implementing surface side of said third electronic-parts-implementing board, and

fixing, in the jointly tightening step, the supporting fixing member of said second electronic-parts-implementing board and the support-fixing member of said third electronic-parts-implementing board in an overlapped state.

--13. (Original) The method according to claim 11, further comprising the steps of:

providing a convex projecting portion for alignment to the support-fixing member of said second electronic-parts-implementing board;

providing a concave notch portion for alignment to the support-fixing member of said third electronic-parts-implementing board; and

inserting, in the jointly tightening step, the convex projecting portion of the support-fixing member of said second electronic-parts-implementing board into the concave notch portion of the support-fixing member of said third electronic-parts-implementing board and fitting them with each other.

--14. (Currently Amended) The method according to claim

13, further comprising the steps of:

providing a convex projecting portion for alignment to the concave notch portion of the support-fixing member of said third electronic-parts-implementing board;

forming [[any]] one of a concave notch portion for alignment and a circular opening for alignment in said housing; and

inserting, in the jointly tightening step, the convex projecting portion of the support-fixing member of said third electronic-parts-implementing board into [[any]] one of the concave notch portion and the circular opening of said housing and fitting them with each other.